

1072

PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

of

### Complete if Known

Application Number	10/663,295
Filing Date	September 16, 2003
First Named Inventor	Zhuomin Dina
Art Unit	Unknown- 1732
Examiner Name	Unknown TENTONI
Attorney Docket Number	SO-0004 US NA

### U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (# known)			
LBT		US- 3,671,379	06-20-1972	Evans et al.	_____
		US- 4,001,190	01-04-1977	Tanikella et al.	_____
		US- 5,340,909	08-23-1994	Doerr et al.	_____
		US- 5,798,433	08-25-1998	Schmidt et al.	_____
		US- 6,153,679	11-28-2000	Kawaiji et al.	_____
		US- 6,245,844	06-12-2001	Kurian et al.	_____
		US- 6,312,805	11-06-2001	Yanhui Sun	_____
V		US- 6,331,264	12-18-2001	Kurian et al.	_____
LBT		US- 6,399,194	06-04-2002	Kunisada et al.	_____
		US- 6,576,340	06-10-2003	Sun et al.	_____
		US-			

### FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (# known)				
LBT		EP 0 699 700 A2 A3	03-06-1996	Peter Klein	_____	—
		EP 1172467 A1	01-16-2002	Abe Takao	Abstract Only	—
		EP1209262 A1	05-29-2002	Kato Jinichiro	Abstract Only	—
V		EP1285876 A1	02-26-2003	Yamashita Akira	Abstract Only	—
LBT		JP50-71921 A	06-14-1975	Teijin	English Abstract Attached	—

Examiner Signature	LEO B. TENTONI	Date Considered	06/10/2005
--------------------	----------------	-----------------	------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

DEC 22 2003

PATENT & TRADEMARK OFFICE  
U.S. DEPARTMENT OF COMMERCE

Sheet 2 of 2

Form PTO-1449

U.S. Department of Commerce  
Patent and Trademark OfficeAttorney Docket No.  
SO-0004 US NAApplication No.  
10/663,295

Filing Date: September 10, 2003

First Named Inventor:

Zhuomin Ding

Examiner Name: Unknown—  
**TENTONI**Art Group Unit: Unknown—  
**1732**O I P E  
P A T E N T & T R A D E M A R K O F F I C E  
INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT

(Use several sheets if necessary)

## FOREIGN PATENT DOCUMENTS

Examiner Initial	Cite No.	Office	Document Number	Kind Code	Name of Patentee or Applicant of Cited Document	Date of Publication	Pages, Cols., Lines where, Relevant Passages Appear	T
LBT		JP	51-47114	A1	Teijin LTD	04-22-1976	English Abstract attached	—
		JP	58-31114	A1	Teijin LTD	02-23-1983	English Abstract attached	—
		JP	2000239921	A6	Unitika LTD	09-05-2000	English Abstract attached	—
		JP	2001020136	A	Asahi Chem Ind. Co. LTD	01-23-2001	English Abstract attached	—
		JP	2001064824	A	Toray Ind. Inc.	03-13-2001	English Abstract attached	—
		JP	2001214372	A	Asahi Kasei Corp.	08-07-2001	English Abstract attached	—
		JP	2001254226	A	Asahi Kasei Corp.	09-21-2001	English Abstract attached	—
		JP	2001279528	A	Teijin LTD	10-10-2001	English Abstract attached	—
		JP	2001348731	A	Asahi Kasei Corp.	12-21-2001	English Abstract attached	—
		JP	2002061038	A	Asahi Kasei Corp.	02-28-2002	English Abstract attached	—
		JP	2002129427	A	Asahi Kasei Corp.	05-09-2002	English Abstract attached	—
V		WO	00/26301	A1	Asahi Kasei Corp.	05-11-2000	—	—
LBT		WO	01/85590	A1	Asahi Kasei Corp.	11-15-2001	—	—

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

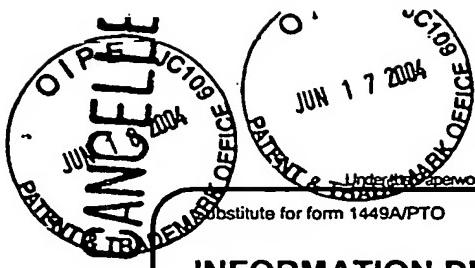

## EXAMINER

**LEO B. TENTONI**

## DATE CONSIDERED

**06/10/2005**

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



PTO/SB/08A (08-03)  
Approved for use through 07/31/2006. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 2

### Complete if Known

Application Number	10/663295
Filing Date	September 16, 2003
First Named Inventor	ZHUOMIN DING
Group Art Unit	1732
Examiner Name	TENTON I

Attorney Docket Number SO0004USNA

### U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number – Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
LBT	US -	6,495,254 B1	12-17-2002	Abe et al.	_____
	US -	6,620,502 B1	09-16-2003	Fujimoto et al.	_____
↓	US -	6,680,353 B1	01-20-2004	Kato et al.	_____
LBT	US -	2003/0180533 A1	09-25-03	Koyanagi et al.	_____
	US -				_____
	US -				_____

### FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document CountryCode <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Ts
LBT		EP 1 142 955 A1	10-10-2001	Asahi	_____	□
		EP 1 172 467 A1	01-16-2002	Asahi	_____	□
		EP 1 209 262 A1	05-29-2002	Asahi	_____	□
		EP 1 285 876 A1	02-26-2003	Asahi	_____	□
		JP 2001-020136 A	01-23-2001	JP 63-42007	_____	☒
		JP 2000-239921 A	09-05-2000	Unitika LTD	_____	☒
		JP 2001-254226 A	09-21-2001	Asahi	_____	☒
		JP 2001-279528 A	10-10-2001	Teijin	_____	☒
		JP 2001-064824 A	03-13-2001	Toray	_____	☒
		JP 2001-348731 A	12-21-2001	Asahi	_____	☒
		JP 2002-061038 A	02-28-2002	Asahi	_____	☒
↓		JP 2002-129427 A	05-09-2002	Asahi	_____	☒
LBT		WO 00/26301 AI	05-11-2000	Asahi	_____	☒

Examiner Signature

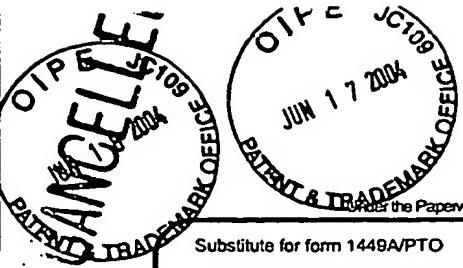
LEO B. TENTON I

Date Considered

06/10/2005

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



PTO/SB/08B (08-03)  
Approved for use through 07/31/2006. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 2 of 2

### Complete if Known

Application Number	10/663,295
Filing Date	September 18, 2003
First Named Inventor	ZHUOMIN DING ET. AL.
Group Art Unit	1732
Examiner Name	TENTONI
Attorney Docket Number	SO0004USNA

### OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
LBT		English Translation of Asahi's JP 01214372 By Z. Ding	<input checked="" type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>

Examiner Signature	LEO B. TENTONI	Date Considered	06/10/2005
--------------------	----------------	-----------------	------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. This information is required to obtain or retain a benefit by the public which is to file (and by USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

AUG. 23 2004

**Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.**

**Approved for use through 07/31/2006. OMB 0851-0031**  
**U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE**

Substitute for form 1449A/PTO

## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

*(use as many sheets as necessary)*

Sheet 1 of 2

Sheet 1 of 2 | Anthony Book Number: 330000000A

## **U.S. PATENT DOCUMENTS**

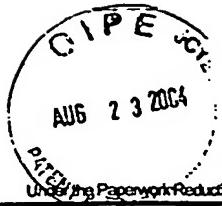
Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number – Kind Code <sup>2</sup> (if known)			
LBT	US -	6,335,093 B1	01-01-2002	Mori et al.	_____
	US -				
	US -				
	US -				
	US -				
	US -				

## **FOREIGN PATENT DOCUMENTS**

Examiner Signature	LEO B. TENTONI	Date Considered	06/10/2005
-----------------------	----------------	--------------------	------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3.). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.88. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete. Including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



PTO/SB/08B (08-03)

Approved for use through 07/31/2008. OMB 0651-0031

**U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE**

**Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.**

Substitute for form 1448A/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Application Number	10/583,295
		Filing Date	September 16, 2003
		First Named Inventor	ZHUOMIN DING ET. AL.
		Group Art Unit	8766-1732
		Examiner Name	Unknown TENTONI
(use as many sheets as necessary)		Attorney Docket Number	SO0004USNA
Sheet	2	of	2

#### **OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS**

Examiner Signature	LEO B. TENTONI	Date Considered	06/10/2005
--------------------	----------------	-----------------	------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

**U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE**

Substitute for form 144BA/PTO		<i>Complete If Known</i>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>		Application Number	10/863295
		Filing Date	September 16, 2003
		First Named Inventor	ZHUOMIN DING
		Group Art Unit	0705-1732
		Examiner Name	Unknown TENTONI
Sheet	1	of	1
		Attorney Docket Number	SO0004USNA

U.S. PATENT DOCUMENTS

## **FOREIGN PATENT DOCUMENTS**

Examiner Signature	LEO B. TENTONI	Date Considered	06/10/2005
-----------------------	----------------	--------------------	------------

<sup>1</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>2</sup>Applicant's unique citation designation number (optional). <sup>3</sup>See Kinda Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 801.04. <sup>4</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>5</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>6</sup>Kind of document by the appropriate symbol as indicated on the document under WIPO Standard ST. 16 if possible. <sup>7</sup>Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.88. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22311-1450.